

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-012924**Date Inspected:** 17-Mar-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai,China**CWI Name:** Mr.Li Lin**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Tower**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Nagalingam Pandaram Pillai was present during the times noted above for observations relative to the work being performed.

Magnetic Particle Testing:-**BAY #10:-**

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated an MT report for this date. The member is identified as North Shaft Lift 4 "CD" Corner Seam. The weld designations reviewed are as follows:-

NSTL4-3B/L-1B (Except from tower bottom to 119M diaphragm bottom)

Visual Testing:-**BAY #10:-**

This QA inspector performed Random Visual Testing (VT) of the area previously tested and accepted by ZPMC Quality Control personnel. The member is identified as North Shaft Lift 4 "CD" Corner Triangle Plate. The weld designations reviewed are as follows:

NSTL4-3C/L-20,22,76,78

NSTL4-3F/L-3,5,73,75

NSTL4-3G/L-1,3,72,74

NSTL4-3H/L-1,3,

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IN PROCESS INSPECTION:-

BAY #10:-

This QA inspector observed the following work in progress:

SMAW welding of weld joint no: SD1-SFSA371-2 located on Façade Seal Angle Plate. Welder is identified as 050289.ZPMC QC is identified as Mr.Zhu Zhong Jie. The welding variables recorded by QC appeared to comply with the WPS-B-P-2112.

BAY #11:-

This QA inspector observed the following work in progress:

FCAW welding of weld joint no: WSTL4-2D/L-63 located on Diagonal Splice Plate of “CD” Corner. Welder is identified as 053316.ZPMC CWI is identified as Mr.Li Lin. The welding variables recorded by QC appeared to comply with the WPS-B-T-2233-B-U2a-F-1.

This QA inspector observed the following work in progress:

FCAW welding of weld joint no: WSTL4-2D/L-43 located on Diagonal Splice Plate of “CD” Corner. Welder is identified as 046706.ZPMC CWI is identified as Mr.Li Lin. The welding variables recorded by QC appeared to comply with the WPS-B-T-2233-B-U2a-F-1.

This QA inspector observed the following work in progress:

FCAW welding of weld joint no: WSTL4-2D/L-37 located on Diagonal Splice Plate of “CD” Corner. Welder is identified as 040759.ZPMC QC is identified as Mr.Shao Hai Lang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2233-B-U2a-F-1.

This QA inspector observed the following work in progress:

SAW welding of weld joint no: WD1-SA4-56-123M-1/1B located on Connecting Angle Plate. Welder is identified as 042195.ZPMC CWI is identified as Mrs.Yu Dong Ping. The welding variables recorded by QC appeared to comply with the WPS-B-T-3221-TC-U5-S-1.

This QA inspector observed the following work in progress:

SAW welding of weld joint no: WSD1-TL5-4B/F-38A located on Lift 5 “CD” Corner Seam. Welder is identified as 041716.ZPMC QC is identified as Mr.Li Jun. The welding variables recorded by QC appeared to comply with the WPS-B-T-3221-C-U2b-S-1.

This QA inspector observed the following work in progress:

SMAW welding of weld joint no: SD1-SA4-56-135M-1-1A located on Connecting Angle Plate. Welder is identified as 040614.ZPMC QC is identified as Mr. Mao Bin Bin. The welding variables recorded by QC appeared to comply with the WPS-B-T-3211-TC-U2b-1.

Unless otherwise noted, all work observed on this date appeared to generally comply with the applicable contract documents.

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Summary of Conversations:

No Relevant Conversation.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Skyler Guest - 15000422360, who represents the Office of Structural Materials for your project.

Inspected By: Pillai,Pandaram

Quality Assurance Inspector

Reviewed By: Clifford,William

QA Reviewer